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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/316,754	05/21/1999	SHIA-SAN GONG	AT9-98-884	8260	
75	90 . 05/22/2003				
BARRY NEWBERGER			EXAMINER		
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SUITE 800 AUSTIN, TX	78701		ART UNIT PAPE		
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			DATE MAILED: 05/22/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Gardian	•	_	Application No	. •	Applicant(s)	, - <u> </u>			
Examiner Lilian Vo 2127	Office Action Summary				,,				
Lilian Vo 2127 The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions for term pays available under the provisions of 3 CFR 1.13(g), in no event, however, may a reply be timely flice after 60x (g) MONTHS from the address to the state of 3 CFR 1.13(g), in no event, however, may a reply be timely flice after 60x (g) MONTHS from the analog date of the communication. Fallules to reply will be not be a to extended provide for newly will by statutory period will apply state. I IN Operation for reply is specified down, the maximum catatriaty period will apply state of this communication. Fallules to reply will be not extended provide for newly will by statutors. I This action is FINAL. 2b) This action is communication(s) filled on 21 May 1999. 2a) This action is FINAL. 2b) This action is condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Queyle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-g Israre pending in the application. 4a) Of the above claim(s) israre withdrawn from consideration. 5) Claim(s) 1-g Israre piected. 7) Claim(s) israre allowed. 6) Claim(s) 1-g Israre objected to 3) Claim(s) 1-g Israre objected to 3) Claim(s) filled on 21 May 1999 israre: a) = cocapted or b) objected to by the Examiner. 4pplication Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filled on 21 May 1999 israre: a) = cocapted or b) objected to by the Examiner. 11) The proposed drawing correction filed on is a approved by the Examiner. 12) The province of drawing correction filed on is a approved by the Examiner. 12) The province of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).	Office Action Sal	y							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time rate for the precision of the process of the proces	The MAILING DATE of t	his communication app		er sheet with the c		dress			
THE MAILING DATE OF THIS COMMUNICATION. Letersloss of time myle valuable under be provisions of 3° CPR 1.15(e). In or ovent, however, may a reply be timely field after SIX (6) MCN/HIS from the mailing date of that communication. Letersloss of time myle valuable under be provisions of 3° CPR 1.15(e). In or ovent, however, may a reply be timely field after SIX (6) MCN/HIS from the mailing date of the communication. Letersloss of the myle value from the mailing date of the communication or the provision of the communication or special contents. Replace to reply within the set or extended period for reply will, by statute, cause the application to become ARANDONED (35 U.S. C. § 133). Any reply received by the Office and set than there increasing start term selected with the communication, even if timely field, may reduce daily represent term selected to the communication. Any reply received by the Office and set than there increases the term selected to the communication, even if timely field, may reduce daily represent the majority of the communication. Status 1) Responsive to communication (s) filled on 21 May 1999 2a) This action is FINAL. 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-8 is/are pending in the application. 4) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-8 is/are objected to. 8) Claim(s) 1-8 is/are objected to. 8) Claim(s) 1-8 is/are objected to y the Examiner. 10) The program of the day 1-999 is/are: a) accepted or b) objected to by the Examiner. Application Papers 9) The drawing(s) filed on 21 May 1999 is/are: a) accepted or b) objected to by the Examiner. If approved, corrected drawings are required in reply to this Office action. 11) The proposed drawing correction filed on									
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Application/Control Number: 09/316,754

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DETAILED ACTION

- 1. Claim 9 22 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim.

 Election was made without traverse in Paper No. 5.
- 2. Claims 1 8 are presented for the examination.

Response to Arguments

3. Applicants' arguments with respect to claims 1 - 8 have been considered but are moot in view of the new ground(s) of rejection.

Drawings

4. The drawings are objected to because figs 5 - 8 are not clear.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.



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The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1 – 8 are rejected under 35 U.S.C. 102(e) as being anticipated by Srinivasan et al
 (US Pat. Application 2001/0051948 A1).

Regarding claim 1, Srinivasan et al. disclose a method for storing data that has at least some entries with multiple value attributes (figs. 2A - 2C and 4 - 6), comprising the steps of:

profiling the data to determine whether the data should be stored in an attribute table (fig. 4 shows data stored in an attribute table. Note that the attribute table of fig. 4 shows that the types, i.e. 'EID', 'AttrName', 'AttrVal', and 'AttrKind' are sorted categories. This inherently indicated that the data must have been profiled before the table could be created) or, alternatively, in a merged table and an overflow table (fig. 5 and paragraphs 0046 – 0047); and storing the data optimally based in the profiling step (paragraph 0077, 0046 – 0047 and fig. 4 – 5).

Regarding claim 2, Srinivasan et al. also disclose the method as described in claim 1 wherein the entries with single value attributes are stored in the merged table (see fig. 2C, 5 and paragraph 0047).

Regarding claim 3, Srinivasan et al. also specify the method as described in claim 1, wherein the entries with multiple value attributes are store in the overflow table (Srinivasan et al. show the telephone number and manager catalog tables in figs. 5, 6C, and 6D, and further disclose in paragraph 0047 of a subschema entry could identify whether an attribute type comprises either single value, or multiple values of that attribute. Example of some entities may have more than one telephone number are also provided).

Regarding **claim 4**, Srinivasan et al. also disclose the method as described in claim 1 wherein the overflow table is an attribute table (figs. 5, 6C, 6D show per attribute tables, which are the overflow tables of the per attribute tables).

Regarding **claim 5**, Srinivasan et al. further show the method as described in claim1, wherein a majority of the data is stored in the merged table and a set of additional values for the multiple values attributes are stored in the overflow table. The figs. 2C and 5 exemplify merged table in which the majority of the single values are stored. The multiple value attributes of the data from the merged table are seen in figs. 6C and 6D, whose tables are shown with multiple attributes for an instant entry of table 5 (more than one managers and/or telephones per person), illustrate the overflow tables.

Regarding claim 6, Srinivasan et al. disclose the method as described in claim 1, wherein the profiling step parses the data to identify entries with single value attributes (paragraph 0047 shows subschema entry can identify whether an attribute type comprises either single value or multiple values. Also, the feature is considered inherent as per the rejected limitations claimed above).

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Regarding claim 7, Srinivasan et al. disclose the method as described in claim 1 wherein the profiling step parses the data to identify given operations that are performed on the data once stored (paragraphs 0011 and 0016: "... RDBMS applications are actions and operations to manipulate the data and structures of the database").

Regarding **claim 8**, Srinivasan et al. disclose the method as described in claim 1 wherein the data is stored in a relational database backing store (abstract and paragraph 0019).

Conclusion

- 7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lilian Vo whose telephone number is (703) 305-7864.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Lilian Vo Examiner Art Unit 2127

lv May 16, 2003

JOHN FOLLANSBEE SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2100